

Modulation of Mössbauer radiation by pulsed laser excitation

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Abstract

Experimental results on the observation of the modulation of Mössbauer radiation by pulsed laser radiation are presented. The time domain spectra agree well with the model of the frequency modulation of the Mössbauer radiation during the passage of the radiation through a vibrating resonance medium. The proposed methodology may be used for the study of opto-acoustic phenomena. © 2012 Pleiades Publishing, Ltd.

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